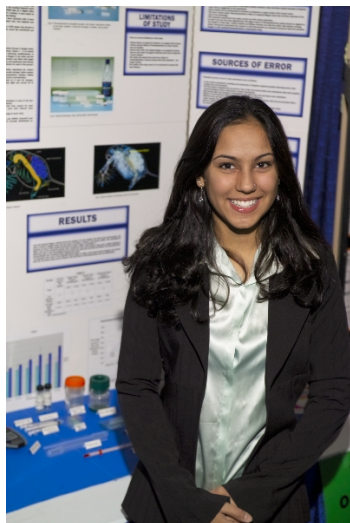


## CWSF 2005 - Vancouver, British Columbia



### Sarah Ali

#### The Effect of Pseudoephedrine on the Heart

**Division:** Health Sciences

**Category:** Junior

**Region:** York

**City:** Thornhill, ON

**School:** As-Sadiq Islamic School

**Abstract:** Reports of cold remedies causing heart attacks led to this unique study. Digital video microscopy of *Daphnia magna* hearts, known to be similar to human hearts, when exposed to Pseudoephedrine showed progressive and dangerous increase in heart rate. Extrapolation to humans suggests one of the many reasons for heart attacks.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Health Sciences - Junior Sponsor: Canadian Institutes of Health Research	\$700
Total	\$2 200